Notice of Allowability	Application No.	Applicant(s)	
	10/683,818	TAKAHASHI, HIROYUKI	
	Examiner	Art Unit	
	Huan Hoang	2818	(سم
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to			
2. 🔀 The allowed claim(s) is/are <u>1-21</u> .			
3. The drawings filed on 10 October 2003 are accepted by the Examiner.			
 4. Acknowledgment is made of a claim for foreign priority unally All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No		tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the red	quirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			OTICE OF
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the state of the property of the state of the sta	on's Patent Drawing Review (PTO s Amendment / Comment or in the C .84(c)) should be written on the drawin	Office action of	back) of
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			Note the
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 101003 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. ☐ Notice of Informal F 6. ☐ Interview Summary Paper No./Mail Dal 7. ☑ Examiner's Amendr 8. ☐ Examiner's Stateme 9. ☐ Other	(PTO-413), te ment/Comment	owance

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims:

Claim 1, lines 25-26 and claim 3, line 24, replace "said memory cell" with --said second memory cell--.

Claim 13, line 10, replace "said" before "first cycle period" with -a---;
line 18, after "said first cycle", insert --period--; and
line 21, after "cycle", insert --period--.

2. The following is an examiner's statement of reasons for allowance:

Claims 1-21 recite a semiconductor memory device and a method of controlling a semiconductor memory device. The device and method comprises a first memory cell and a second memory cell, wherein in a normal mode, the first and second word lines are assigned separate addresses from each other, and data access operation is performed in the first and second memory cells separately; wherein in a partial mode, the first and second word lines are assigned the same address to maintain one bit data in the first and second memory cells; wherein in order to copy a data in the first memory cell into the second memory cell, based on a switching from the normal mode to the partial

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mode, the second word line is activated in a precharge period for the first and second bit lines; then the first word line is activated; and then, the sense amplifier is activated to amplify a differential voltage between the first and second bit lines to store the data stored in the first memory cell into the second memory cell.

The prior art does not teach or suggest the above device and method having all the elements and steps as recited in independent claims 1, 3, 16, 18 and 20. Therefore, the application is in condition for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huan Hoang whose telephone number is (571) 272-1779. The examiner can normally be reached on Mon-Fri 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Huan Hoang Primary Examiner Art Unit 2818

HH 9/23/04.